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A41551
 vascular endothelial growth factor 206 precursor - human
 N; Alternate names: vascular permeability factor
 N; Contains: vascular endothelial growth factor 121 (VEGF 121); VEGF 165; VEGF 189;
 C; Species: Homo sapiens (man)
 C;Date: 28-Aug-1992 #sequence_revision 28-Aug-1992 #text_change 05-Nov-1999
 C; Accession: A41551; C41551; B41551; A40454; B40454; C40454; A40079; A40080; JQ1463;
 JQ1464; A34492; S17348
 R; Houck, K.A.; Ferrara, N.; Winer, J.; Cachianes, G.; Li, B.; Leung, D.W.
 Mol. Endocrinol. 5, 1806-1814, 1991
 A; Title: The vascular endothelial growth factor family: identification of a fourth
 molecular species and characterization of alternative splicing of RNA.
 A; Reference number: A41551; MUID: 92168017; PMID: 1791831
 A; Accession: A41551
 A; Molecule type: mRNA
 A; Residues: 1-232 < HOU1>
 A; Cross-references: GB:S85192; NID:g246155; PID:g246156
 A; Accession: C41551
 A; Status: nucleic acid sequence not shown
 A; Molecule type: mRNA
 A; Residues: 1-140, 'N', 183-232 < HOU2>
 A; Accession: B41551
 A; Status: nucleic acid sequence not shown; not compared with conceptual translation
A; Molecule type: mRNA
A; Residues: 1-141, 227-232 < HOU>
R; Tischer, E.; Mitchell, R.; Hartman, T.; Silva, M.; Gospodarowicz, D.; Fiddes, J.C.;
Abraham, J.A.
J. Biol. Chem. 266, 11947-11954, 1991
A; Title: The human gene for vascular endothelial growth factor. Multiple protein forms
are encoded through alternative exon splicing.
A; Reference number: A40454; MUID: 91268072; PMID: 1711045
A; Accession: A40454
A; Molecule type: DNA
A; Residues: 1-165, 183-232 <TI1>
A;Cross-references: GB:M63971; GB:M63972; GB:M63973; GB:M63974; GB:M63975; GB:M63976;
GB:M63977; GB:M63978; NID:g340213; PIDN:AAA36804.1; PID:g340215
A; Accession: B40454
A; Molecule type: DNA
A; Residues: 1-140, 'N', 183-232 <TI2>
A;Cross-references: GB:M63971; GB:M63972; GB:M63973; GB:M63974; GB:M63975; GB:M63977;
GB:M63978
A; Accession: C40454
A; Molecule type: DNA
A; Residues: 1-141,227-232 <TI3>
A;Cross-references: GB:M63971; GB:M63972; GB:M63973; GB:M63974; GB:M63975; GB:M63978
R; Keck, P.J.; Hauser, S.D.; Krivi, G.; Sanzo, K.; Warren, T.; Feder, J.; Connolly,
Science 246, 1309-1312, 1989
A; Title: Vascular permeability factor, an endothelial cell mitogen related to PDGF.
A; Reference number: A40079; MUID: 90069609; PMID: 2479987
A; Accession: A40079
A; Status: not compared with conceptual translation
A; Molecule type: mRNA
A; Residues: 1-165,183-232 < KEC>
A;Cross-references: GB:M27281; NID:g340300; PIDN:AAA36807.1; PID:g340301
R; Leung, D.W.; Cachianes, G.; Kuang, W.J.; Goeddel, D.V.; Ferrara, N.
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A; Title: Vascular endothelial growth factor is a secreted angiogenic mitogen.
A; Reference number: A40080; MUID: 90069608; PMID: 2479986
A; Accession: A40080
A; Status: not compared with conceptual translation
A; Molecule type: mRNA
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A; Residues: 1-140, 'N', 183-232 < LEU>
 A;Cross-references: GB:M32977; NID:g181970; PIDN:AAA35789.1; PID:g181971
 R; Weindel, K.; Marme, D.; Weich, H.A.
 Biochem. Biophys. Res. Commun. 183, 1167-1174, 1992
 A; Title: AIDS-associated Kaposi's sarcoma cells in culture express vascular
 endothelial growth factor.
 A; Reference number: JQ1463; MUID: 92231879; PMID: 1567395
 A; Accession: JQ1463
 A; Molecule type: mRNA
 A; Residues: 1-140, 'N', 183-232 <WEI>
 A; Cross-references: EMBL: X62568; NID: g37658; PIDN: CAA44447.1; PID: g37659
 A; Experimental source: AIDS-Kaposi's sarcoma cell
A; Accession: JQ1464
A; Molecule type: mRNA
A; Residues: 1-140, 'N', 227-232 <WE2>
A; Experimental source: AIDS-Kaposi's sarcoma cell
R; Connolly, D.T.; Olander, J.V.; Heuvelman, D.; Nelson, R.; Monsell, R.; Siegel, N.;
Haymore, B.L.; Leimgruber, R.; Feder, J.
J. Biol. Chem. 264, 20017-20024, 1989
A; Title: Human vascular permeability factor. Isolation from U937 cells.
A; Reference number: A34492; MUID: 90062112; PMID: 2584205
A; Accession: A34492
A; Molecule type: protein
A; Residues: 27-36;43-49,'R';72-76,'Q',78-81;59-71 <CON>
C; Comment: The most common of several alternatively spliced forms is VEGF 165.
C; Genetics:
A; Gene: GDB: VEGF
A;Cross-references: GDB:132244; OMIM:192240
A; Map position: 6p21-6p12
C; Function:
A; Description: promotes fluid and protein leakage from blood vessels
  Query Match
                        10.2%; Score 238.5; DB 2; Length 232;
  Best Local Similarity 24.7%; Pred. No. 2.2e-10;
          70; Conservative 33; Mismatches 101; Indels 79; Gaps
          69 LMTVLYPEYWKMYKCQLRKGGWQHNREQANLNSRTEETIKFAAAHYNTEILKSIDNEWRK 128
Qу
             Db
          14 LLLYLHHAKWSQAAPMAEGGGQNHH-----EVVKFM-----DVYQR 49
         129 TQCMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSYLSKTLFEI 188
Qу
             Db
          50 SYCHPIETLVDIFQEYPDEIEYIFKPSCVPLMRCGGCCNDEGLECVPTEESNITMQIMRI 109
         189 TVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIRRSLPATLPQCQAANKTCPTNYM 248
Qу
                 110 KP--HQGQHIGEMSFLQHNKCECRPKKDRARQEKKSVRGK-----GKGQKRKRKKSRYKS 162
Db
         249 WNNHI-CRCLAQEDFMFSSDAGDDSTDGFHDICGPNKELDEETCQCVCRAGL-RPASCGP 306
Qу
            |: :: ||
                                                     1: | | | | |
         163 WSVYVGARC------CLMPWSLPGPHPCGP 186
Db
         307 HKE-----LDRNSCQCVCKNKLFPSQCGANR-EFDENTCQC 341
Qу
                      Db
         187 CSERRKHLFVQDPQTCKCSCKNT--DSRCKARQLELNERTCRC 227
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